

CLAIMS

1. An aluminum pipe made from an alloy containing 0.90 to 1.50 mass % of Mn, and the balance Al and inevitable impurities, the pipe having an electrical conductivity of 30 to 43% IACS.
2. An aluminum pipe according to claim 1 wherein Cu is contained as an inevitable impurity, and the content of Cu is up to 0.05 mass %.
3. An aluminum pipe according to claim 1 wherein Fe is contained as an inevitable impurity, and the content of Fe is up to 0.25 mass %.
4. An aluminum pipe according to claim 1 wherein Si is contained as an inevitable impurity, and the content of Si is up to 0.25 mass %.
5. A process for producing an aluminum pipe characterized in that a pipe blank made from an alloy containing 0.90 to 1.50 mass % of Mn, and the balance Al and inevitable impurities is held heated at 550 to 600° C in the atmosphere or in an inert gas atmosphere for 10 to 600 minutes and thereafter cooled.
6. A process for producing an aluminum pipe according to claim 5 wherein the alloy for making the pipe blank contains Cu as an inevitable impurity, and the content of Cu is up to 0.05 mass %.
7. A process for producing an aluminum pipe according to claim 5 wherein the alloy for making the pipe blank contains Fe as an inevitable impurity, and the content of Fe is up to 0.25 mass %.
8. A process for producing an aluminum pipe according

to claim 5 wherein the alloy for making the pipe blank contains Si as an inevitable impurity, and the content of Si is up to 0.25 mass %.

9. A process for producing an aluminum pipe according to claim 5 wherein the rate of rise of temperature for the heating is 20 to 130° C/min.

10. A process for producing an aluminum pipe according to claim 5 wherein the rate of cooling after the heating is at least 47° C/min.

11. A heat exchanger for use in motor vehicles which has an inlet pipe and an outlet pipe each comprising an aluminum pipe according to any one of claims 1 to 4.

12. A vehicle provided with a motor vehicle air conditioner comprising a refrigeration cycle wherein a chlorofluorocarbon refrigerant is used and which has a compressor, a condenser and an evaporator, the condenser being a heat exchanger according to claim 11.

13. A refrigeration cycle wherein a chlorofluorocarbon refrigerant is used and which has a compressor, a condenser and an evaporator, the compressor, the condenser and the evaporator being interconnected by piping comprising an aluminum pipe according to any one of claims 1 to 4.

14. A vehicle wherein a refrigeration cycle according to claim 13 is installed as a motor vehicle air conditioner.